REPORT NO. 77-3-21

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

REPORT OF AERIAL DETECTION SURVEY

LAND OWNERSHIP OR SURVEY AREA: Sam Houston National Forest, Raven District

STATE: Texas COUNTY:

AREA WITHIN SURVEY BOUNDARY: 99,800 acres DATE: 4/21/77

PERCENT COVERAGE: 100% AIRCRAFT: Cessna 182 CREW: C. W. Dull
C. Stein
B. Holland

SURVEY OBJECTIVES: To detect forest insect and disease activity on the Raven District of the Sam Houston National Forest. Special emphasis was placed on delineating areas of pine mortality caused by southern pine beetles. These spots may be used in a study entitled "Evaluation of Southern Pine Beetle Infestation Growth and Proliferation in Cut-and-Leave and Untreated Areas."

SURVEY RESULTS

A total of 41 spots of red and fading pines were observed on Forest Service lands. The estimated number of trees per spot ranged from one to fifty trees. Small spots of dead and dying pines on private lands adjacent to Forest Service lands were also observed in the survey area. A portion of the survey area with the highest concentration of infestations is located on the enclosed map.

CONCLUSIONS

Results of this survey indicate that the southern pine beetle outbreak is continuing on the Raven District. It is recommended that the Forest continue to control southern pine beetle infestations as outlined in the project control plan. Personnel from the Alexandria, Louisiana Field Office will ground check selected spots in April and May to determine if they are suitable for the study.

For any additional information, Contact:
Forest Insect and Disease Management Unit
Southeastern Area, State & Private Forestry
Northgate Office Park, Room 2103
3620 Interstate 85, N.E.
Doraville, Georgia 30340
Telephone 404-221-4796

Survey Area: Sam Houston National Forest
Raven District

Survey Date: 4/21/97

Survey Crew: C.W. Dull
C. Stein
B. Holland

Percent coverage: 100%

Aircraft: Cessna 182

Suspect spot inaccessable and/or exact location uncertain

Suspect spot accessable and location correct

Each spot will have the approximate number of red and fading trees marked on the map